

180.00 OP



### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Jack H. Yuan, Eliyahou Harari, Yupin K. Fong and George Samachisa

Scalable Self-Aligned Dual Floating Gate Memory Cell Array and

Methods of Forming the Array

Application No.:

10/799,180

Filing Date:

March 12, 2004

Examiner:

Igwe U. Anya

Group Art Unit:

2812

Docket No.:

SNDK.257US2

Conf. No.:

8152

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicants call the documents listed on the enclosed Form PTO-1449 to the Examiner's attention in this patent application.

This application has a filing date after June 30, 2003. Copies of the U.S. Patent(s) and U.S. Published Patent Application(s) documents listed on the accompanying Form PTO-1449 are not enclosed.

Citation of these documents shall not be construed as (1) an admission that the documents are prior art with respect to the invention or inventions claimed in this application, (2) a representation that a search has been made (other than as indicated by any cited document), or (3) an admission that the cited information is, or is considered to be, material to patentability as defined in § 1.56(b).

This information disclosure statement is submitted under 37 C.F.R. § 1.97(c). A check including \$180.00 for the information disclosure statement fee under 37 C.F.R. § 1.17(p), is

Attorney Docket No.: SNDK.257US2

Application No.: 10/799,180

enclosed. The Commissioner is authorized, however, to charge any fee that may be required, or to credit any overpayment, against Deposit Account No. 502664. This form is being submitted in duplicate.

Certificate of Mailing Under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope address to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA

22313-1450, on October 1 2 2004.

Franklin Dyer

Respectfully submitted,

Gerald P. Parsons

Reg. No. 24,486

## Parsons H Runtz llp

#### 655 Montgomery Street, Suite 1800 San Francisco, Ca 94111 tel 415.318.1160 fax 415.693.0194

Jack H. Yuan, Eliyahou Harari, Yupin K. Fong and George Samachisa

Title:

Scalable Self-Aligned Dual Floating Gate Memory Cell Array and

Methods of Forming the Array

Application No.:

10/799,180

Filing Date:

March 12, 2004

Examiner:

Igwe U. Anya

Group Art Unit:

2812

Docket No.:

**SNDK.257US2** 

Conf. No.:

8152

Mail Stop Amendment Commissioner For Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith are the following documents in the above-identified application:

- (1) Return receipt postcard;
- (2) This Transmittal Letter (1 page in duplicate);
- (3) Amendment (8 pages);
- (4) Information Disclosure Statement (2 pages);
- (5) PTO Form 1449 (3 sheets);
- (6) 3 Cited References; and
- (7) Check for \$180.00.
- Conditional Petition for Extension of Time: If an extension of time is  $\boxtimes$ required for timely filing of the enclosed document(s) after all papers filed with this transmittal have been considered, an extension of time is hereby requested.
- Please charge any fees required and credit any overpayment to our  $\boxtimes$ Deposit Account No. 502664.

Certificate of Mailing Under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope address to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA

22313-1450; on October 12, 2004

Respectfully submitted,

Reg. No. 24,486

# OCT 1 8 2004 5

#### 655 Montgomery Street, Suite 1800 San Francisco, Ca 94111 tel 415.318.1160 fax 415.693.0194

Applica

🕱 k H. Yuan, Eliyahou Harari, Yupin K. Fong and George Samachisa

Title:

Scalable Self-Aligned Dual Floating Gate Memory Cell Array and

Methods of Forming the Array

Application No.:

10/799,180

Filing Date:

March 12, 2004

Examiner:

Igwe U. Anya

Group Art Unit:

2812

Docket No.:

SNDK.257US2

Conf. No.:

8152

Mail Stop Amendment Commissioner For Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith are the following documents in the above-identified application:

- (1) Return receipt postcard;
- (2) This Transmittal Letter (1 page in duplicate):
- (3) Amendment (8 pages);
- (4) Information Disclosure Statement (2 pages);
- (5) PTO Form 1449 (3 sheets);
- (6) 3 Cited References; and
- (7) Check for \$180.00.
- Conditional Petition for Extension of Time: If an extension of time is X required for timely filing of the enclosed document(s) after all papers filed with this transmittal have been considered, an extension of time is hereby requested.
- Please charge any fees required and credit any overpayment to our Deposit Account No. 502664.

Certificate of Mailing Under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope address to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA

22313-1450; on October 12, 2004

Franklin/Dyer

Respectfully submitted,

Gerald P. Parsons Date

Reg. No. 24,486

U.S. Department of Commerce, Patent and Trademark INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Atty. Docket No.  SNDK.257US2  Applicant(s)  Jack H. Yuan et al.  Filing Date			Application No. 10/799,180	
								Conf. No.
							e several sheets if necessary)	
DCT 1 8 2004 ( )								
	E S						March 12, 2002	
*Examiner	7		U.S. P	atent Documents		·		
		Document	Dite	N	CI.	0.1.1	Filing Date	
Initial ;	1	Number 5,168,465	Date 12/1992	Name Harari	Class	Subclass	If Appropriate	
	2	5,198,380	3/1993	Harari				
	3	5,268,318	12/1993	Harari				
	4	<del> </del>	12/1993			****		
	-	5,268,319	<del>                                     </del>	Harari				
	5	5,279,982	1/1994	Crotti				
	6	5,380,672	1/1995	Yuan et al.				
	7	5,512,505	4/1996	Yuan et al.			ļ	
	8	5,534,456	7/1996	Yuan et al.				
	9	5,554,553	9/1996	Harai		••••		
	10	5,579,259	11/1996	Samachisa et al.				
•	11	5,595,924	1/1997	Yuan et al.				
	12	5,640,032	6/1997	Tomioka				
	13	5,654,217	8/1997	Yuan et al.				
	14	5,661,053	8/1997	Yuan				
	15	5,677,872	10/1997	Samachisa		***************************************		
	16	5,712,179	1/1998	Yuan				
	17	5,747,359	5/1998	Yuan		· , , · · · · · · · · · · · · · · · · ·		
***************************************	18	5,756,385	5.1998	Yuan				
	19	5,786,988	7/1998	Harari				
	20	5,847,425	12/1998	Yuan				
	21	5,867,429	2/1999	Chen				
	22	5,883,409	3/1999	Guterman			<del> </del>	
*·- <u>-</u>	23	5,923,976	7/1999	Kim			<del> </del>	
	24	5,965,913	10/1999	Yuan			<del></del>	
	25	5,981,335	11/1999	Chi				
	26	5,999,448	12/1999	Kurihara		<u> </u>		
Examiner		1	Date Considere	L			<u> </u>	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark				Atty. Docket No.			Application No					
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				SNDK.257US2  Applicant(s)  Jack H. Yuan et al.  Filing Date			10/799,180  Conf. No.  8152  Group					
									OCT 1 8 2004 🌦			
									*Examiner	J. J.		
& TRADEMAR			U.S. P						atent Documents			
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate					
	27	6,028,336	2/2000	Yuan								
	28	6,046,935	4/2000	Takeuchi et al.								
	29	6,103,573	8/2000	Harari et al.		•						
	30	6,151,248	11/2000	Harari et al.								
	31	6,208,545B1	3/2001	Leedy								
	32	6,222,762	4/2001	Guterman et al.								
	33	6,235,586B1	5/2001	Au								
	34	6,258,665B1	7/2001	Shimizu								
	35	6,295,227	9/2001	Sakui et al.								
	36	6,297,097	10/2001	Jeong								
	37	6,391,717	5/2002	Shin et al.								
	38	6,417,538	7/2002	Choi								
	39	6,512,263	1/2003	Yuan et al.								
-	40	6,529,410	3/2003	Han et al.			1					
	41	6,624,464	9/2003	Shin et al.								
· · · · · · · · · · · · · · · · · · ·												
Examiner			Date Considere	ed								

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark				Atty. Docket No.			Application No.			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				SNDK.257US2			10/799,180			
				Applicant(s)			Conf. No.			
(Use several sheets if necessary)				Jack H. Yuan et al.			8152			
art 1 8 2004 <sup>66</sup> .				Filing Date	Filing Date			Group		
	007 1 0 000			March 12, 2002		2812				
ENT & TRADE	MARK	U.	S. Published Pa	atent Application Docu	ments					
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate			
	42	US2001/0001491	5/24/2001	Sakui						
	43	US2002/0093073	07/18/02	Mori et al.						
			Foreign	Patent Documents						
							Translation			
		Document	Date	Country	Class	Subclass	Yes	No		
	44	2002/0088554	11/29/2002	Korea			Х			
		OTHER AR	T (Including Au	uthor, Title, Date, Perti	nent Pages, I	Etc.)				
	Aritome et al., "A Novel Side-Wall Transfer-Transistor Cell (SWATT Cell) For Multi-Level NAND EEPROMs", 1995 IEEE International Solid-State Circuits Conference, IEDM 95, pp. 275-8.									
	46	Aritome et al., "A0.67um2 Self-Aligned Shallow Trench Isolation Cell (SA-STI CELL) for 3V-only 256Mbit NAND EEPROMs", IEDM Technical digest, pp. 61-64 (1994).								
	47	Cho et al., "A Dual-Mode NAND Flash Memory: 1-Gb Multilevel and High-Performance 512-Mb Single-Level Modes", IEEE Journal of Solid-State Circuits, Vol. 36, No. 11, pp. 1700-1706 (2001).								
<del></del>			•							
						•				
				·						
Examiner			Date Consider	ed						
				ot citation is in conformation of this form with yo						